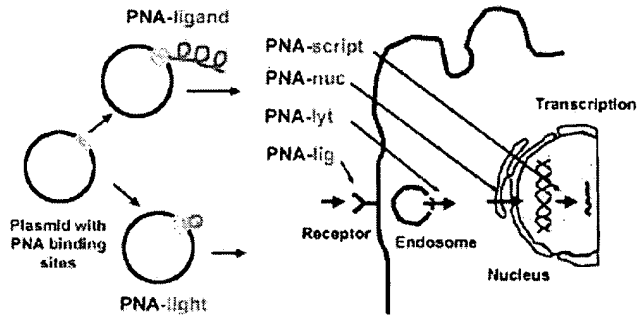


Search:

Gene Tracking

Gene Delivery
Protein Delivery
Gene Expression
Gene Tracking
- Pre-labeled Vectors
- Cloning/Labeling Kits
- Site Cloning Kits
- PNA Labels
- Streptavidin Conjugates
- Double-labeled Plasmids
- Vector/Transfection Systems
Apparatus

[Home](#) » [Catalog](#) » Gene Tracking



Gene Tracking

The innovative GeneGrip™ technology allows researchers to conjugate fluorophores, peptides, and protein supercoiled plasmid DNA without interfering in gene expression. This opens the possibility of tracking plasmid distribution and targeting plasmid delivery to specific cellular locations. The GeneGrip™ technology utilizes linear, horseshoe-shaped peptide nucleic acid (PNA) molecule called PNA clamp. PNA clamps can hybridize duplex DNA in a sequence specific and very high affinity manner and can be conjugated to a variety of molecules for gene tracking and targeting studies (1,2). The GeneGrip™ line of products includes a variety of fluorophore and chemical linker-conjugated PNA reporter plasmids, PNA cloning and labeling kits, PNA fragments for ligation into non-GeneGrip™ vectors, and PNA clamps pre-conjugated to a variety of fluorophore chemical linkers.

US Patent 6,165,720

References:

1. Zelphati, O. et al. (1999) *Human Gene Therapy* 10(1): 15-24.
2. Zelphati, O. et al. (2000) *Biotechniques* 28(2): 304-10.

pGeneGrip Pre-labeled Vectors

Convenient vector tracking or targeting with a PNA-labeled vector carrying a reporter gene. [More..](#)

pGeneGrip Cloning Vector/PNA Label Kits

Easy cloning and expression of transgenes from a pGeneGrip™ vector with your choice of PNA labels. [More..](#)

GeneGrip Site 1 and 2 Cloning Kits

Simple conversion of any expression vector into a GeneGrip™-compatible vector. [More..](#)

GeneGrip PNA Labels

PNA labels for use with all GeneGrip™ plasmids. [More..](#)

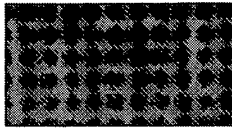
Streptavidin Conjugates for PNA-Biotin Labeling

Easy attachment of targeting molecules to pGeneGrip™ vectors using streptavidin. [More..](#)

pGeneGrip Double-Labeled GFP Plasmids

Perform gene tracking and targeting simultaneously with one plasmid. [More..](#)

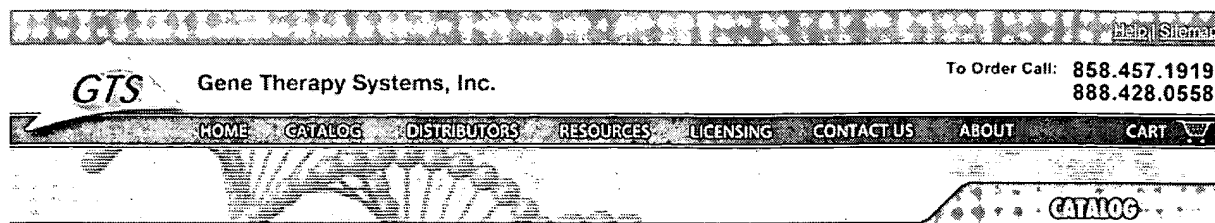
pGeneGrip Vector/Transfection Systems



Enjoy convenience and cost savings with the pGeneGrip™ vector / GenePORTER™ Transfection Reagent combination. [More..](#)

[[back to top](#)]

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Search:

Gene Tracking

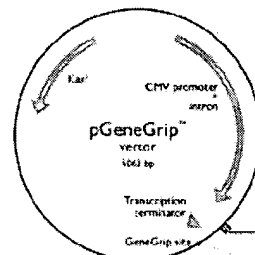
Home » Catalog » Gene Tracking » pGeneGrip Pre-labeled Vectors

pGeneGrip Pre-labeled Vectors

Description

The pGeneGrip™ Pre-Labeled Vectors are unique high-level expression reporter vectors pre-hybridized to a variety of fluorophores or chemical linkers via the GeneGrip™ PNA-Dependant Gene Chemistry. These vectors maintain their supercoiled structure and transcriptional activity, allowing for simultaneous gene expression and plasmid tracking or targeting studies. The pGeneGrip™ vectors are provided with a convenient range of commonly used reporter genes for easy assaying of reporter gene expression. The pGeneGrip™ Pre-Labeled Vectors offer the following benefits:

- Pre-labeled with the unique GeneGrip™ PNA labels
- Cloned with commonly used reporter genes: β -galactosidase, green fluorescent protein (GFP), luciferase, secreted alkaline phosphatase (SEAP), chloramphenicol acetyl transferase (CAT)
- Suitable for immediate transfection with all commercial transfection reagents including GenePORTER™ Transfection Reagents
- High-level expression of reporter genes



PNA Clamp Attached to the GeneGrip (Click to enlarge)

BUY NOW

Files

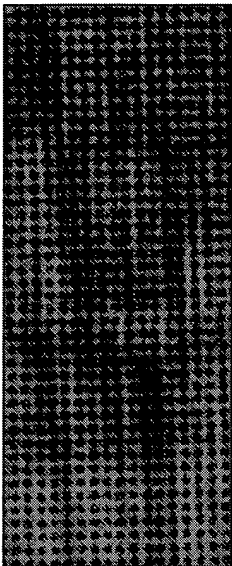
pGeneGrip FAQs (PDF - 27 KB)
pGeneGrip Vector Maps (pdf - 28 KB)

Manuals

G101000 Manual (PDF - 30 KB)
G101005 Manual (PDF - 30 KB)
G101010 Manual (PDF - 31 KB)
G101015 Manual (pdf - 28 KB)
G101020 Manual (PDF - 30 KB)
G101025 Manual (PDF - 30 KB)
G101030 Manual (PDF - 30 KB)
G101035 Manual (PDF - 30 KB)
G101040 Manual (pdf - 30 KB)
G101045 Manual (PDF - 30 KB)
G101050 Manual (PDF - 30 KB)
G101055 Manual (PDF - 30 KB)
G102000 Manual (PDF - 30 KB)
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G102015 Manual (PDF - 31 KB)
G102020 Manual (PDF - 30 KB)
G102025 Manual (PDF - 30 KB)
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G103000 Manual (PDF - 35 KB)
G103005 Manual (PDF - 35 KB)
G103010 Manual (pdf - 31 KB)
G103015 Manual (PDF - 31 KB)
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G103055 Manual (PDF - 30 KB)
G104050 Manual (PDF - 30 KB)
G104055 Manual (PDF - 30 KB)
G105010 Manual (PDF - 33 KB)
G105015 Manual (PDF - 33 KB)
G105040 Manual (PDF - 32 KB)
G105045 Manual (PDF - 32 KB)

Related Products

Cat. #	Description	Qty.
G101000	pGeneGrip™ Rhodamine/Blank Vector	25 µg
G101005	pGeneGrip™ Rhodamine/Blank Vector	100 µg
G101010	pGeneGrip™ Rhodamine/?-Galactosidase	25 µg
G101015	pGeneGrip™ Rhodamine/?-Galactosidase	100 µg
G101020	pGeneGrip™ Rhodamine/CAT	25 µg
G101025	pGeneGrip™ Rhodamine/CAT	100 µg
G101030	pGeneGrip™ Rhodamine/Luciferase	25 µg
G101035	pGeneGrip™ Rhodamine/Luciferase	100 µg
G101040	pGeneGrip™ Rhodamine/Green Fluorescent Protein	25 µg
G101045	pGeneGrip™ Rhodamine/Green Fluorescent Protein	100 µg
G101050	pGeneGrip™ Rhodamine/Secreted Alkaline Phosphatase	25 µg
G101055	pGeneGrip™ Rhodamine/Secreted Alkaline Phosphatase	100 µg
G102000	pGeneGrip™ Fluorescein/Blank Vector	25 µg
G102005	pGeneGrip™ Fluorescein/Blank Vector	100 µg
G102010	pGeneGrip™ Fluorescein/?-Galactosidase	25 µg
G102015	pGeneGrip™ Fluorescein/?-Galactosidase	100 µg
G102020	pGeneGrip™ Fluorescein/CAT	25 µg
G102025	pGeneGrip™ Fluorescein/CAT	100 µg
G102030	pGeneGrip™ Fluorescein/ Luciferase	25 µg
G102035	pGeneGrip™ Fluorescein/ Luciferase	100 µg
G102050	pGeneGrip™ Fluorescein/ Secreted Alkaline Phosp	25 µg
G102055	pGeneGrip™ Fluorescein/ Secreted Alkaline Phosp	100 µg
G103000	pGeneGrip™ Biotin/Blank Vector	25 µg
G103005	pGeneGrip™ Biotin/Blank Vector	100 µg
G103010	pGeneGrip™ Biotin/?-Galactosidase	25 µg
G103015	pGeneGrip™ Biotin/?-Galactosidase	100 µg
G103020	pGeneGrip™ Biotin/CAT	25 µg
G103025	pGeneGrip™ Biotin/CAT	100 µg
G103030	pGeneGrip™ Biotin/Luciferase	25 µg
G103035	pGeneGrip™ Biotin/Luciferase	100 µg
G103040	pGeneGrip™ Biotin/Green Fluorescent Protein	25 µg
G103045	pGeneGrip™ Biotin/Green Fluorescent Protein	100 µg
G103050	pGeneGrip™ Biotin/Secr ted Alkaline	25 µg



Product ID	Product Name	Quantity
G103055	pGeneGrip™ Biotin/Secreted Alkaline Phosphatase	100 µg
G104050	pGeneGrip™ Gold/Secreted Alkaline Phosphatase	25 µg
G104055	pGeneGrip™ Gold/Secreted Alkaline Phosphatase	100 µg
G105010	pGeneGrip™ Maleimide/?-Galactosidase	25 µg
G105015	pGeneGrip™ Maleimide/?-Galactosidase	100 µg
G105040	pGeneGrip™ Maleimide/GFP	25 µg
G105045	pGeneGrip™ Maleimide/GFP	100 µg

GenePORTER 2 Transfection Reagent
?-Galactosidase Assay Kits
X-Gal Staining Assay Kit

Contents
pGeneGrip™ Pre-labeled Vector (1 vial x 25 µg or 1 vial x 100 µg)

Storage
The pGeneGrip™ Pre-labeled Vectors are shipped frozen. Store at -20°C upon receipt. Stable for 6 months when stored properly.

[[back to top](#)]